AAYUSHI GUPTA

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EDUCATION:

Northeastern University — Boston, MA
MPS in Applied Machine Intelligence — Expected Graduation: Dec 2022
Relevant Coursework- Fundamentals of AI, Applications of AI,
AI System Technologies
GPA: 3.94

Ajay Kumar Garg Engineering College — Uttar Pradesh, India
B.Tech in Information Technology — Sept 2020
Relevant Coursework- Data Structures, Algorithms, Artificial Intelligence,
Machine Learning, Deep Learning
Grade: 1st Div. with Honors (80.27%)

TECHNOLOGY & SKILLS:

- Programming Languages: Python, SQL, C, C++, HTML5, CSS
- Tools: Power BI, Cloudera, MS Excel, MS Word, Microsoft Teams
- Frameworks: NumPy, Pandas, Matplotlib, Seaborn, SciPy, TensorFlow, OpenCV, Keras, Scikit-Learn
- Technical Skills: Problem Solving, Statistical Analysis, Data Analytics, Machine Learning Algorithms, Data Science, Natural Language Processing, Neural Networks
- Soft Skills: Good oral and written communication skills, Attention to Detail, Meticulous Researcher, Willingness to Learn

EMPLOYER-INTEGRATED AND ACADEMIC PROJECTS:

XN Project with CogniCorp+ Therapy Inc. — July 2021- August 2021
- Updated the business model and enhanced the marketing strategies of an XR-based platform for providing mental therapy and wellness services.
- Designed the user flow describing the operation of the app.
- Researched and analyzed recommendations to apply a user-centric and not a tech centric approach to the platform.

Optical Character Recognition System — May 2021- June 2021
- Extracted and stored burial data from over 100 scanned burial records using OpenCV and Cloud Vision API in Python for easy use and access.
- Created a dashboard using Power BI to analyze the extracted data.
- Derived insights on the death rate based on age and year of death.

Cardano (ADA) Price Prediction — Apr 2021- May 2021
- Fetched over 500 real-time ADA candlestick data using Python Binance API.
- Built Machine Learning models: LSTM and GRU on the candlestick data.
- Predicted the closing price of ADA using Scikit-Learn, Keras, TensorFlow, Matplotlib, Python-Binance, Mplfinance in Python.

AI Models on Campus Recruitment Dataset — Mar 2021- Apr 2021
- Refined, transformed, and visualized data using python on Campus Recruitment Dataset.
- Incorporated Bar Graphs, Scatter Plots and Heatmap data visualization techniques to analyze trends in student placements.
- Engineered Machine Learning models: Logistic Regression, SVM, KNN on the data for predicting the on-campus placement status of a student based on his profile.

Data Analytics Capstone Project — Jan 2021- Mar 2021
- Programmed the extraction, cleaning, and visualization of above 1000 rows of data on Energy Consumption using NumPy and Pandas in python.
- Visualized trends in energy scores and energy consumption using Bar Graphs in Matplotlib.
- Initiated Linear Regression predictive analysis in Seaborn to predict the energy consumption based on area

The Battle of the Neighborhoods — Jun 2020
- Developed a Machine Learning model using Python to predict a good location to set up a coffee shop in Mumbai.
- Scraped Mumbai Neighborhood data from the web using Beautiful Soup and venue data from Foursquare API.
- Implemented data visualization using Matplotlib and performed clustering by K-means algorithm.

CERTIFICATIONS;

SQL Essential Training — August 2021, LinkedIn Learning (Online)
Applied Data Science Specialization by IBM — June 2020, Coursera (Online)
C++ Training — Jul 2017- Aug 2017, Ducat Noida (India)

CO-CURRICULAR ACTIVITIES:

- Participated in Machine Learning and Neural Networks workshop at AKGEC, Ghaziabad (February 7-8, 2018)
- Volunteered in the organization of the National Conference ITBT-Information Technology for Business Transformation, AKGEC, Ghaziabad (9-10 March 2018)
- Assisted department professor in research of a paper on 'Big Data: Security Issues and Challenges' in my department journal 'Infobytes' (June-2017)
- Awarded second prize for the event Initiative 2018 at AKGEC, Ghaziabad, March 17, 2018